BLNAN LS-CL-C18W-M-S

BLNAN Motion Sensor LED Ceiling Light Instruction Manual

Model: LS-CL-C18W-M-S

INTRODUCTION

Thank you for choosing the BLNAN Motion Sensor LED Ceiling Light. This 18W, 1800LM, 8.7-inch wired flush mount fixture features a radar motion sensor and remote control for versatile lighting in various indoor and outdoor settings. This manual provides important information for safe installation, operation, and maintenance of your new light fixture.

SAFETY INFORMATION

Please read all instructions carefully before installation and use. Keep this manual for future reference.

- **Electrical Safety:** Always turn off power at the circuit breaker before installing, servicing, or cleaning the fixture. Consult a qualified electrician if you are unsure about wiring.

- **Voltage:** This fixture operates on 120V AC. Do not attempt to connect it to any other voltage.

- **Installation Location:** Ensure the mounting surface can support the weight of the fixture. This light is suitable for damp locations (IP54 waterproof rating), including bathrooms and showers.

- **Heat:** Do not touch the fixture immediately after operation as it may be hot.

- **Interference:** The 5.8G radar motion sensor can be affected by 5G signals. Install the light at least 3 meters away from 5G signal sources to avoid interference. If installing multiple radar sensing lights, ensure they are more than 3 meters apart to prevent mutual interference.

WHAT'S IN THE BOX

Verify that all components are present before beginning installation.

- Motion Detector Ceiling Light (2 units)
- Remote Control
- Mounting Hardware (screws, wire nuts)
- Instruction Manual (this document)

Image: Package contents including two ceiling lights, remote, and installation accessories.
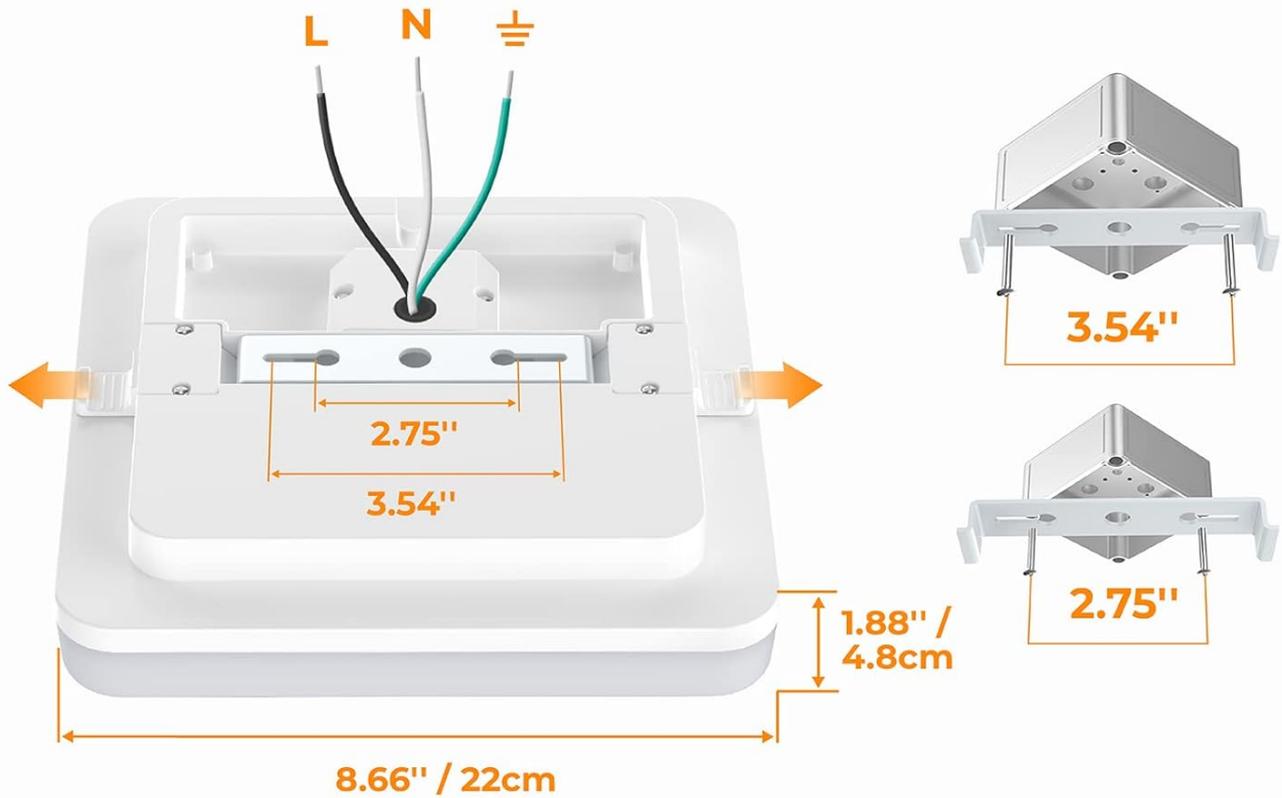
INSTALLATION INSTRUCTIONS

This LED flush mount ceiling lamp requires hardwired installation. It operates with 120V AC. It can be mounted to the ceiling or wall.

1. **Turn off Power:** Before starting, ensure the power supply to the installation area is turned off at the circuit breaker.
2. **Prepare Mounting Surface:** The low-profile design is suitable for mounting onto a junction box with a size between 2.75 inches and 3.54 inches.
3. **Connect Wiring:** Connect the fixture's wires to the corresponding household wires (Live, Neutral, Ground) using the provided wire nuts. Ensure all connections are secure.
4. **Mount Fixture:** Secure the fixture to the junction box using the provided screws. Ensure the fixture is flush against the mounting surface.
5. **Restore Power:** Once the fixture is securely mounted and wired, restore power at the circuit breaker.

Hard-wired Installation

Fit for junction box size: 2.75'' ~ 3.54''

L N ⏚

2.75''

3.54''

3.54''

2.75''

1.88'' / 4.8cm

8.66'' / 22cm

Lamp Type: LED	CRI: 90
Color Temperature: 4000K	Voltage: AC110-120V
Power: 18W	Material: Fireproof Plastic
Lumen: 1800LM	Remote Control: Infrared

Image: Wiring and dimensions for hardwired installation.

Image: Example installations in various rooms.

OPERATING INSTRUCTIONS

Your BLNAN ceiling light features a radar motion sensor, light sensor, and remote control for customizable operation.

Remote Control Functions

The included remote control allows you to adjust various settings:

- **Detection Range:** Adjust the motion detection range to 6.5 ft (25%), 13.1 ft (50%), or 19.6 ft (100%).
- **Light Sensor:** Set the ambient light threshold for activation (15 lux, 50 lux) or disable it. When disabled, the light will activate based on motion regardless of ambient light.
- **Hold Time:** Configure how long the light stays on after motion is no longer detected (5 seconds, 30 seconds, 1 minute, 5 minutes).
- **ON/OFF:** Manually turn the light on or off.
- **Reset:** Resets settings to default (blue buttons on the remote).

Image: Remote control and sensor setting options.

Available Modes

You can customize the light's behavior using the remote control:

- **Constant Light Mode:** Turn the light to "ON" using the remote. The LED light will remain on continuously, functioning as a standard 4000K white ceiling light.

- **Motion Activated Mode:** The light turns on when motion is detected and turns off after the set hold time when no motion is present. The light sensor is disabled in this mode.

- **Motion Activated with Light Sensor Mode:** The light turns on when motion is detected, but only if the ambient light level is below the set lux threshold (e.g., 15 lux or 50 lux). It turns off after the set hold time when no motion is present and ambient light is sufficient. Note: The light automatically turns off during the day if the light sensor is enabled and sufficient daylight is present.

- **Reset Mode:** Returns all settings to their factory defaults.

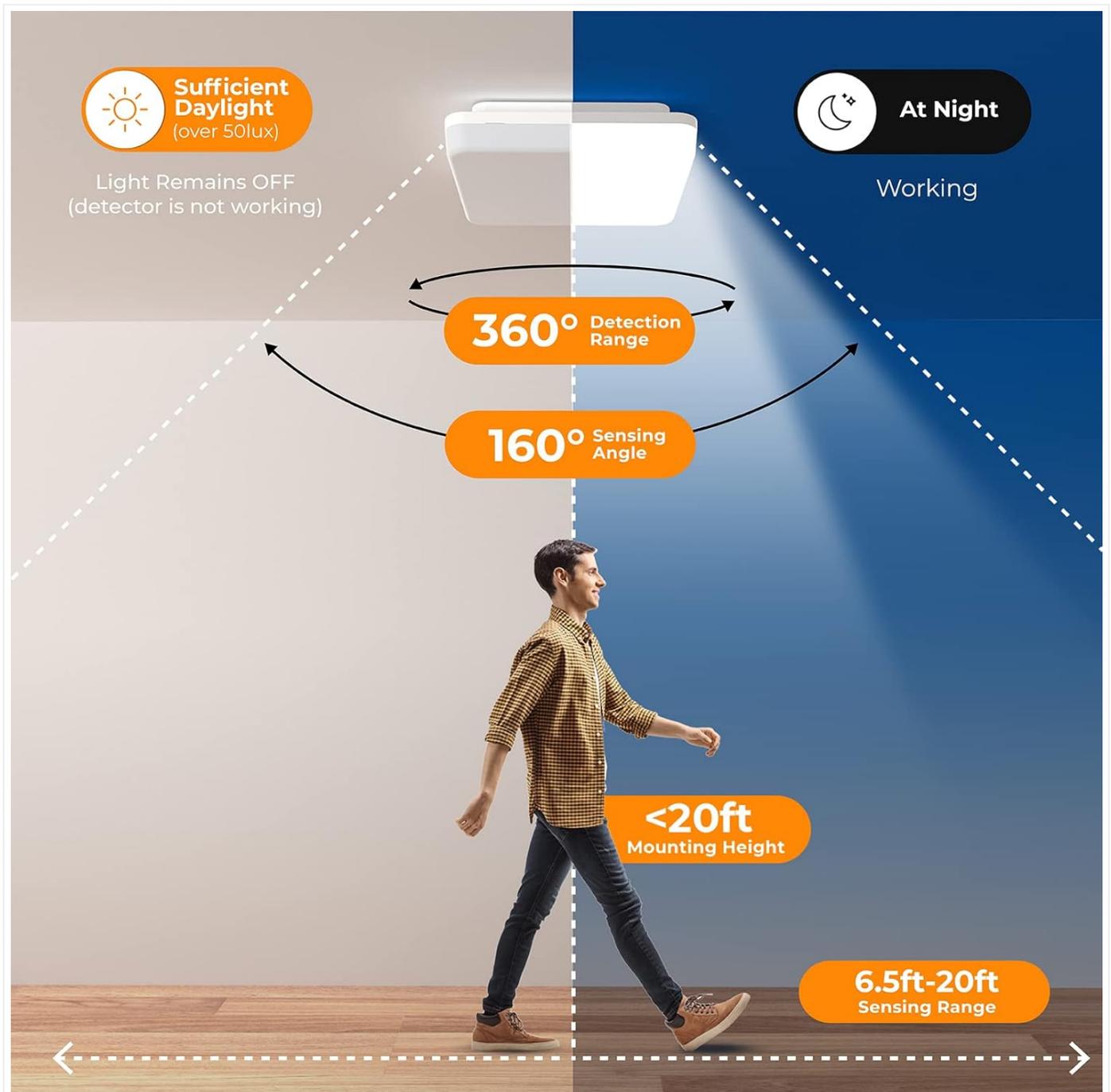Image: Motion detection range and sensing angle.

Image: Intelligent Radar Sensor capabilities, sensing through thin walls, doors, and windows.

MAINTENANCE

To ensure optimal performance and longevity of your BLNAN LED Ceiling Light, follow these maintenance guidelines:

- **Cleaning:** Disconnect power before cleaning. Wipe the fixture with a soft, dry, or slightly damp cloth. Do not use abrasive cleaners or solvents.
- **Bulb Replacement:** The LED light source is integrated and non-removable. Do not attempt to replace the LEDs.
- **Inspection:** Periodically check the wiring and mounting for any signs of damage or loosening.

TROUBLESHOOTING

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Light does not turn on.	No power; incorrect wiring; light sensor detects too much ambient light; motion sensor disabled.	Check circuit breaker. Verify wiring connections. Adjust light sensor sensitivity or disable it via remote. Ensure motion sensor is enabled.
Light stays on constantly.	Set to "Constant Light Mode"; continuous motion detected; hold time set too long.	Switch to motion-activated mode using the remote. Ensure no continuous motion is within detection range. Reduce hold time setting.
Motion sensor is inconsistent or too sensitive.	Incorrect detection range setting; interference from 5G signals or other radar lights; small moving objects (pets) triggering sensor.	Adjust the detection range via remote. Ensure light is at least 3 meters from 5G sources or other radar lights. Consider placement to avoid small object detection.
Light flickers.	Unstable power supply; loose wiring connection.	Check power supply stability. Verify all wiring connections are secure.

SPECIFICATIONS

Feature	Detail
Brand	BLNAN
Model Number	LS-CL-C18W-M-S
Power	18W
Brightness	1800 Lumens
Color Temperature	4000K (White)
Voltage	120V AC
Dimensions	8.7"L x 8.7"W x 1.88"H (22cm x 22cm x 4.8cm)
Material	Fireproof Plastic
Water Resistance Level	IP54 (Waterproof)
Sensor Type	Radar Microwave Motion Sensor + Light Sensor
Control Method	Remote Control
CRI (Color Rendering Index)	90
Lifespan	Over 30,000 hours
Installation Type	Flush Mount (Ceiling or Wall)
Junction Box Compatibility	2.75" - 3.54"

WARRANTY AND SUPPORT

This BLNAN product comes with a Limited Warranty. Please refer to the warranty card included in your package for specific terms and conditions. For technical support, troubleshooting assistance, or warranty claims, please contact

BLNAN customer service through the retailer where the product was purchased or visit the official BLNAN website.

Manufacturer: BLNAN